

CLAIMS

1. Process for preparing a micaceous product capable of being impregnated, which is preferably in the form of a mica tape obtained by combining at least one support and a mica sheet, characterized in that:
- the support or the mica sheet is coated with a solvent-free resin or a mixture of solvent-free resins, with the aid of several coating rollers at a working temperature for the coating operation,
  - the support is combined with the mica sheet, and
  - they are subjected to a pressure and temperature treatment.
2. Process according to Claim 1, characterized in that a micaceous product whose resin content is between 1% and 10% and preferably between 4% and 8%, relative to the total weight of the tape, is prepared.
3. Process according to Claim 1 or 2, characterized in that the working temperature of the coating operation is between 40°C and 200°C.
4. Process according to any one of the preceding claims, characterized in that the pressure and temperature treatment is carried out at between 40°C and 200°C for a pressure of between 0 and 20 bar.
5. Process according to any one of the preceding claims, characterized in that a small amount of impregnation resin, optionally in solvent medium, is incorporated into the mica sheet, prior to the coating step.
6. Process according to any one of the preceding claims, characterized in that the resin intended for the coating operation is a resin whose melting point is lower than the working temperature.
7. Process according to any one of the preceding claims, characterized in that the resin is a solvent-free resin preferably of silicone or epoxy type and more particularly belonging to the family of DGEBA resins.

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8. Process according to any one of the preceding claims, characterized in that an accelerator is incorporated into the coating resin.

9. Process according to any one of the preceding claims, characterized in that an accelerator is incorporated into the mica sheet.

10. Process according to any one of the preceding claims, characterized in that an accelerator is incorporated into the support.

11. Process according to any one of the preceding claims, characterized in that the accelerator is a nitrogen compound or an organometallic compound.

12. Process according to any one of the preceding claims, characterized in that the support may be a film, a fabric or a felt.

13. Process according to any one of the preceding claims, characterized in that the mica sheet is a mica paper which is preferably reinforced beforehand with an impregnation resin.

14. Process according to any one of the preceding claims, characterized in that the mica sheet is prepared from muscovite which may or may not have been calcinated, from phlogopite, from vermiculite or from synthetic mica, or from a combination thereof.

15. Micaceous product capable of being impregnated, which is preferably in the form of a mica tape, comprising a support coated with a solvent-free resin combined with a mica sheet.

16. Micaceous product according to Claim 15, characterized in that the resin content is between 4% and 10% relative to the total weight of the tape.

17. Micaceous product according to Claim 15 or 16, characterized in that the support is a fabric on which the resin deposits appear essentially on the weft yarns at the intersection with the warp yarns.

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